

## **RAW SEQUENCE LISTING**

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Application Serial Number: 10/521,111  
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PCT

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/521,111

DATE: 03/03/2006

TIME: 12:53:07

Input Set : A:\SL5068.ST25.txt  
 Output Set: N:\CRF4\03032006\J521111.raw

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3 <110> APPLICANT: CARDY, Donald Leonard Nicholas
4      ALLEN, Gerald John
6 <120> TITLE OF INVENTION: Lateral Flow Assay Device and Method
8 <130> FILE REFERENCE: 056222-5068-US
10 <140> CURRENT APPLICATION NUMBER: US 10/521,111
11 <141> CURRENT FILING DATE: 2005-01-12
13 <150> PRIOR APPLICATION NUMBER: PCT/GB2003/003059
14 <151> PRIOR FILING DATE: 2003-07-14
16 <150> PRIOR APPLICATION NUMBER: GB 0220452.7
17 <151> PRIOR FILING DATE: 2002-09-04
19 <150> PRIOR APPLICATION NUMBER: GB 0216162.8
20 <151> PRIOR FILING DATE: 2002-07-12
22 <160> NUMBER OF SEQ ID NOS: 57
24 <170> SOFTWARE: PatentIn version 3.3
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 34
28 <212> TYPE: DNA
29 <213> ORGANISM: Escherichia coli
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36 <211> LENGTH: 95
37 <212> TYPE: DNA
38 <213> ORGANISM: Escherichia coli
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42 <221> NAME/KEY: misc_feature
43 <222> LOCATION: (69)..(70)
44 <223> OTHER INFORMATION: octanediol group connects residues 69 and 70
46 <220> FEATURE:
47 <221> NAME/KEY: misc_feature
48 <222> LOCATION: (95)..(95)
49 <223> OTHER INFORMATION: 3' phosphorylated
51 <400> SEQUENCE: 2
52 tcgtcttcgg gtctctcctc tcaaggctca ggcgtctctc tccctatagt gagtcgtatt   60
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57 <210> SEQ ID NO: 3
58 <211> LENGTH: 21
59 <212> TYPE: DNA
60 <213> ORGANISM: Escherichia coli
63 <220> FEATURE:
64 <221> NAME/KEY: misc_feature
65 <222> LOCATION: (21)..(21)
66 <223> OTHER INFORMATION: 3' PCR-block

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68 <400> SEQUENCE: 3  
 69 gcgtccactc cggtcctctc g 21  
 72 <210> SEQ ID NO: 4  
 73 <211> LENGTH: 30  
 74 <212> TYPE: DNA  
 75 <213> ORGANISM: Escherichia coli  
 78 <220> FEATURE:  
 79 <221> NAME/KEY: misc\_feature  
 80 <222> LOCATION: (30)..(30)  
 81 <223> OTHER INFORMATION: 3' PCR block  
 83 <400> SEQUENCE: 4  
 84 gcttagatgc tttcagcaact tatctcttcc 30  
 87 <210> SEQ ID NO: 5  
 88 <211> LENGTH: 111  
 89 <212> TYPE: DNA  
 90 <213> ORGANISM: Escherichia coli  
 93 <220> FEATURE:  
 94 <221> NAME/KEY: misc\_feature  
 95 <222> LOCATION: (76)..(77)  
 96 <223> OTHER INFORMATION: octanediol group connects residues 76 and 77  
 98 <220> FEATURE:  
 99 <221> NAME/KEY: misc\_feature  
 100 <222> LOCATION: (111)..(111)  
 101 <223> OTHER INFORMATION: 3' phosphorylated  
 103 <400> SEQUENCE: 5  
 104 tgcctgcttg tctgcgttct ggatatcacc cgagttctcg cttectatag tgagtcgtat 60  
 106 taatttctcg tcttcggtc tctcctctca agcctcagcg ctctctctcc c 111  
 109 <210> SEQ ID NO: 6  
 110 <211> LENGTH: 12  
 111 <212> TYPE: DNA  
 112 <213> ORGANISM: Escherichia coli  
 115 <220> FEATURE:  
 116 <221> NAME/KEY: misc\_feature  
 117 <222> LOCATION: (1)..(1)  
 118 <223> OTHER INFORMATION: 5' alkaline phosphatase labelled  
 120 <400> SEQUENCE: 6  
 121 ggatatcacc cg 12  
 124 <210> SEQ ID NO: 7  
 125 <211> LENGTH: 25  
 126 <212> TYPE: DNA  
 127 <213> ORGANISM: Escherichia coli  
 130 <220> FEATURE:  
 131 <221> NAME/KEY: misc\_feature  
 132 <222> LOCATION: (1)..(1)  
 133 <223> OTHER INFORMATION: 5' biotin labelled  
 135 <400> SEQUENCE: 7  
 136 tctgctgcct gcttgcgtgc gttct 25  
 139 <210> SEQ ID NO: 8  
 140 <211> LENGTH: 34

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141 <212> TYPE: DNA
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148 <210> SEQ ID NO: 9
149 <211> LENGTH: 95
150 <212> TYPE: DNA
151 <213> ORGANISM: Escherichia coli
154 <220> FEATURE:
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156 <222> LOCATION: (69)..(70)
157 <223> OTHER INFORMATION: octanediol group connects residues 69 and 70
159 <220> FEATURE:
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161 <222> LOCATION: (95)..(95)
162 <223> OTHER INFORMATION: 3' phosphorylated
164 <400> SEQUENCE: 9
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167 aatttcgaag gatgtacaac ccgaacacca gtgat 95
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172 <212> TYPE: DNA
173 <213> ORGANISM: Escherichia coli
176 <220> FEATURE:
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178 <222> LOCATION: (21)..(21)
179 <223> OTHER INFORMATION: 3' PCR block
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186 <211> LENGTH: 30
187 <212> TYPE: DNA
188 <213> ORGANISM: Escherichia coli
191 <220> FEATURE:
192 <221> NAME/KEY: misc_feature
193 <222> LOCATION: (30)..(30)
194 <223> OTHER INFORMATION: 3' PCR block
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197 gcttagatgc tttcagcact tatctttcc 30
200 <210> SEQ ID NO: 12
201 <211> LENGTH: 111
202 <212> TYPE: DNA
203 <213> ORGANISM: Escherichia coli
206 <220> FEATURE:
207 <221> NAME/KEY: misc_feature
208 <222> LOCATION: (76)..(77)
209 <223> OTHER INFORMATION: octanediol group connects residues 76 and 77
211 <220> FEATURE:
212 <221> NAME/KEY: misc_feature

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213 <222> LOCATION: (111)..(111)  
 214 <223> OTHER INFORMATION: 3' phosphorylated  
 216 <400> SEQUENCE: 12  
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 219 taatttctcg tcttcggtc tctcctctca agcctcagcg ctctctctcc c 111  
 222 <210> SEQ ID NO: 13  
 223 <211> LENGTH: 12  
 224 <212> TYPE: DNA  
 225 <213> ORGANISM: Escherichia coli  
 228 <220> FEATURE:  
 229 <221> NAME/KEY: misc\_feature  
 230 <222> LOCATION: (12)..(12)  
 231 <223> OTHER INFORMATION: 3' horse radish peroxidase labelled  
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 234 ggatatcacc cg 12  
 237 <210> SEQ ID NO: 14  
 238 <211> LENGTH: 25  
 239 <212> TYPE: DNA  
 240 <213> ORGANISM: Escherichia coli  
 243 <220> FEATURE:  
 244 <221> NAME/KEY: misc\_feature  
 245 <222> LOCATION: (1)..(1)  
 246 <223> OTHER INFORMATION: 5' biotin labelled  
 248 <400> SEQUENCE: 14  
 249 tctgctgcct gcttgcgtgc gttct 25  
 252 <210> SEQ ID NO: 15  
 253 <211> LENGTH: 34  
 254 <212> TYPE: DNA  
 255 <213> ORGANISM: Escherichia coli  
 257 <400> SEQUENCE: 15  
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 262 <211> LENGTH: 95  
 263 <212> TYPE: DNA  
 264 <213> ORGANISM: Escherichia coli  
 267 <220> FEATURE:  
 268 <221> NAME/KEY: misc\_feature  
 269 <222> LOCATION: (69)..(70)  
 270 <223> OTHER INFORMATION: octanediol group connects residues 69 and 70  
 272 <220> FEATURE:  
 273 <221> NAME/KEY: misc\_feature  
 274 <222> LOCATION: (95)..(95)  
 275 <223> OTHER INFORMATION: 3' phosphorylated  
 277 <400> SEQUENCE: 16  
 278 tcgtcttccg gtctctcctc tcaaggctca gcgcgtctc tccctatagt gagtcgtatt 60  
 280 aatttcgaag gcatgacaac ccgaacacca gtgat 95  
 283 <210> SEQ ID NO: 17  
 284 <211> LENGTH: 44  
 285 <212> TYPE: DNA

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 PATENT APPLICATION: US/10/521,111

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Input Set : A:\SL5068.ST25.txt  
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286 <213> ORGANISM: Artificial Sequence  
 288 <220> FEATURE:  
 289 <223> OTHER INFORMATION: DNA homologue of SMART RNA1 amplicon  
 291 <400> SEQUENCE: 17  
 292 gggagagaga gcgctgaggc ttgagaggag agaccggaag acga 44  
 295 <210> SEQ ID NO: 18  
 296 <211> LENGTH: 25  
 297 <212> TYPE: DNA  
 298 <213> ORGANISM: Artificial Sequence  
 300 <220> FEATURE:  
 301 <223> OTHER INFORMATION: 5' biotinylated capture probe for SMART RNA1 amplicon  
 304 <220> FEATURE:  
 305 <221> NAME/KEY: misc\_feature  
 306 <222> LOCATION: (1)..(1)  
 307 <223> OTHER INFORMATION: 5' biotin labelled  
 309 <400> SEQUENCE: 18  
 310 tctgctcgtc ttccgggtctc tcctc 25  
 313 <210> SEQ ID NO: 19  
 314 <211> LENGTH: 111  
 315 <212> TYPE: DNA  
 316 <213> ORGANISM: Escherichia coli  
 319 <220> FEATURE:  
 320 <221> NAME/KEY: misc\_feature  
 321 <222> LOCATION: (76)..(77)  
 322 <223> OTHER INFORMATION: octanediol group connects residues 76 and 77  
 324 <220> FEATURE:  
 325 <221> NAME/KEY: misc\_feature  
 326 <222> LOCATION: (111)..(111)  
 327 <223> OTHER INFORMATION: 3' phosphorylated  
 329 <400> SEQUENCE: 19  
 330 tgcctgcttg tctgcgttct ggatatcacc cgagttctcg cttcctatacg tgagtcgtat 60  
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 337 <212> TYPE: DNA  
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 340 <220> FEATURE:  
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 344 <220> FEATURE:  
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 346 <222> LOCATION: (20)..(20)  
 347 <223> OTHER INFORMATION: 3' dinitrophenol labelled  
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 353 <210> SEQ ID NO: 21  
 354 <211> LENGTH: 45  
 355 <212> TYPE: DNA  
 356 <213> ORGANISM: Escherichia coli  
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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/521,111

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Input Set : A:\SL5068.ST25.txt

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